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**Test Procedure for****SAMPLING GALVANIZED METAL PRODUCTS FOR  
COATING WEIGHT****TxDOT Designation: Tex-708-I****Effective Date: October 2012**

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**1. SCOPE**

- 1.1 This method outlines the procedure for sampling and testing galvanized metal products for coating weight.
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**2. SAMPLING**

- 2.1 An authorized Department representative will select samples when, at the discretion of the Engineer, the quality of material is questionable.
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**3. PROCEDURES**

- 3.1 *Miscellaneous Items Such as Bolts, Nuts, Screws, Washers, and Other Articles:*
- 3.1.1 Select representative specimens, but in no case less than six, or representative sections (coupons) of these items, from each lot.
- 3.1.2 If any sample fails to meet the minimum requirements, select two additional samples from the same lot as the failing sample for testing.
- 3.1.3 Both samples must conform to the specified requirements, or the Department will reject the lot represented by the samples.
- 3.2 *Sheets and Coils for Corrugated Metal Pipe:*
- 3.2.1 Cut a strip 4 in. wide across the entire width of a sheet or coil representative of material proposed for use. Discard this strip.
- 3.2.2 Cut a strip 3 in. wide across the entire width of the sheet or coil to use as the sample. Be careful not to damage the galvanized coating.
- 3.2.3 If the weight of coating on any sample of galvanized sheet or coil does not conform to the minimum requirements specified, re-sample at the fabricator's request.
- 3.2.4 The re-sample must consist of two strips cut from material from the order, each of which must comply with the specifications.
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### 3.3 *Fabricated Corrugated Metal Pipe:*

- 3.3.1 Cut a sample 4 × 4-in. or a sample of equivalent area from any or all heats of a shipment.
- 3.3.2 Select the sample to be as representative as possible.
- 3.3.3 Exercise care not to damage the galvanized coating.
- 3.3.4 If the weight of coating on any sample of galvanized pipe does not conform to the minimum requirements specified, re-sample at the fabricator's request.
- 3.3.5 The re-sample must consist of two pieces cut from material from the order, each of which must comply with the specifications.

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## 4. TESTING

- 4.1 The Department or its representative will test for weight of galvanized coating in accordance with Tex-602-J.

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## 5. DOCUMENTATION

- 5.1 For all galvanized metal samples, provide the original signed and notarized [Form 1818 \(D-9-USA-1\)](#), "Material Statement," with mill test reports and certification attached. (Reference the [Material Inspection Guide](#), "Buy America Documentation Program" Section.)

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## 6. TAGGING/LABELING, DOCUMENTING, AND SHIPPING

- 6.1 Follow the procedures detailed in Tex-701-I.
- 6.2 Tag or mark each sample, in a non-destructive manner, with the manufacturer's name, brand, heat and lot numbers, and gauge.  
**Note 1**—DO NOT scratch information into the surface coating with a sharp instrument.
- 6.3 Wrap each individual sample carefully.
- 6.4 Wrap the completed bundle, especially in the corners or ends, to prevent damage during transit.

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## 7. ARCHIVED VERSIONS

- 7.1 Archived versions are available.